

## P1.py

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```
import mysql.connector

#Create connection
conn =
mysql.connector.connect(host="localhost",us
er="root",
                        password="",
database="mydb")
#create cursor
cursor = conn.cursor()

#fetch the column names
#sql query
sql="desc customer"

#execute sql in cursor
cursor.execute(sql)

#fetch the column names
columns = cursor.fetchall()

cols=[] #Empty List
for x in columns:
    cols.append(x[0])

#print(cols)

#sql query
```

```
sql="select * from customer"

cursor.execute(sql)

#fetch all table data
data = cursor.fetchall()

for x in cols:
    print(x, end='\t')

print()
#print(data)
for row in data:
    for col in row:
        print(col, "\t", end='')
    print()
```

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## P2.py

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```
import mysql.connector

#Create connection
conn =
mysql.connector.connect(host="localhost",us
er="root",
                                password="",
database="mydb")
#create cursor
cursor = conn.cursor()

#fetch the column names
```

```
#sql query
sql="desc customer"

#execute sql in cursor
cursor.execute(sql)

#fetch the column names
columns = cursor.fetchall()

cols=[] #Empty List
for x in columns:
    cols.append(x[0])

#print(cols)

#sql query
sql="select * from customer"

cursor.execute(sql)

#fetch all table data
data = cursor.fetchall()

for x in cols:
    print(x, end='\t')

print()
#print(data)
for row in data:
    for col in row:
```

```
        print(col, "\t", end='')  
    print()
```

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## DBClass.py

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```
import mysql.connector  
  
def getConn():  
    # Create connection  
    conn =  
mysql.connector.connect(host="localhost",  
user="root",  
  
password="", database="mydb")  
    return conn  
  
def getData(sql):  
    conn = getConn()  
    cursor = conn.cursor()  
    cursor.execute(sql)  
    data = cursor.fetchall()  
    return data  
  
def getColumns(sql):  
    cols = []  
    data = getData(sql)  
    for x in data:  
        cols.append(x[0])  
    return cols
```

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## P3.py

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```
import DBClass

tablename = input("Enter Table Name : ")
sql = "Desc " + tablename

cols = DBClass.getColumns(sql)

sql="Select * from " + tablename

data = DBClass.getData(sql)

for x in cols:
    print(x, end='\t')

print()
for rows in data:
    for x in rows:
        print(x, end='\t')
    print()
```

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